

April 20, 2016  
Project No. 3531-300-01-03b

## LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

**BROWN'S CHICKEN PROPERTY  
3715, 3721, AND 3725 WEST 147TH STREET  
MIDLOTHIAN, ILLINOIS**

**Prepared By:**

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PREPARED BY



## EXECUTIVE SUMMARY

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Weaver Consultants Group North Central, LLC (Weaver Consultants) has conducted a Limited Phase II Environmental Site Assessment (ESA) of the property located at 3715, 3721, and 3725 West 147<sup>th</sup> Street in Midlothian, Illinois (the Property) (see **Figure 1** for the approximate Property location and **Figure 2** for the Property layout). Weaver Consultants conducted a Phase I Environmental Site Assessment (Phase I ESA) for the Property, report dated August 6, 2015. Based on the conclusions of the Phase I ESA, Weaver Consultants had identified the following recognized environmental conditions (RECs) in connection with the Property:

- REC-1: The potential presence of subsurface impacts associated with the historical presence of an underground storage tank (UST) on the Property.; and
- REC-2: The potential presence of subsurface impacts associated with a leaking underground storage tank (LUST) incident on a property located southeast of the Property.

The purpose of the Limited Phase II ESA was to assess potential subsurface environmental site conditions associated with the RECs identified above. The Scope of Work for the Limited Phase II ESA generally included the advancement of soil probes and the installation of temporary groundwater monitoring wells for soil and groundwater sample collection. Please note that no asbestos sampling or observation was conducted as part of this Limited Phase II ESA.

A total of six soil probes were advanced and three temporary groundwater monitoring wells installed on March 1, 2016 (see **Figure 3** for approximate locations of the soil probes and temporary groundwater monitoring wells). Soil samples collected from each probe were field screened using a photoionization detector (PID). In addition, soil samples were screened for the presence of visual and olfactory indications of impacts. Soil samples collected on March 1, 2016 were submitted for laboratory analysis for contaminants of concern (COCs) related to the above RECs. These COCs included polynuclear aromatic hydrocarbons (PNAs), benzene, toluene, ethylbenzene and xylenes (BTEX), and total petroleum hydrocarbons (TPH). Groundwater samples collected on March 1, 2016 were also submitted for laboratory analysis of PNAs, BTEX and TPH.

Soil analytical results were compared to Illinois Environmental Protection Agency (IEPA) Tiered Approach to Corrective Action Objectives (TACO) Tier 1 Soil Remediation Objectives (SROs) for

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Industrial/Commercial Properties. Samples were also compared to the soil background concentrations within Metropolitan Statistical Areas (MSAs) for PNAs. Groundwater analytical results were compared to IEPA TACO Tier 1 Groundwater Remediation Objectives (GROs) for Class I and Class II Groundwater and GROs for the Indoor Inhalation Exposure Route.

In summary, each of the analytical results were below laboratory reporting limits and/or Tier 1 SROs and GROs.

Based on the results of this Limited Phase II ESA, the following findings and conclusions are presented below:

1. Future development of the Property does not appear to be inhibited based on the analytical results.
2. Should redevelopment of the Property occur, consideration should be given to special management requirements that may apply to excavation of soils for site grading, foundations and/or utility installations.
3. Owing to the historic commercial use of the Property, should redevelopment occur, we would advise that a contingency be developed for unexpected conditions including, but not limited to, areas of soil and/or groundwater impacts, discovery of underground storage tanks (USTs), dry wells, catch basins, remnant subsurface foundations and other similar structures.

The following includes a summary of the Limited Phase II ESA activities and our findings and conclusions.

**LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT**

**Brown's Chicken Property  
3715, 3721 and 3725 West 147<sup>th</sup> Avenue  
Midlothian, Illinois**

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**Weaver Consultants Group North Central, LLC**

**LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT**

**Brown's Chicken Property**

**3715, 3721 and 3725 West 147<sup>th</sup> Avenue**

**Midlothian, Illinois**

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**Weaver Consultants Group North Central, LLC**

## 1.0 INTRODUCTION

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Weaver Consultants Group North Central, LLC (Weaver Consultants) has conducted a Limited Phase II Environmental Site Assessment (ESA) of the Property located at 3715, 3721, and 3725 West 147<sup>th</sup> Street in Midlothian, Illinois (the Property), as shown on **Figure 1**.

Weaver Consultants performed a Phase I Environmental Site Assessment (Phase I ESA) for the Property and prepared a report dated August 6, 2015. Based on the conclusions of the Phase I ESA, Weaver Consultants identified the following recognized environmental conditions (RECs) in connection with the Property:

- REC-1: The potential presence of subsurface impacts associated with the historical presence of an underground storage tank (UST) on the Property.; and
- REC-2: The potential presence of subsurface impacts associated with a leaking underground storage tank (LUST) incident on a property located southeast of the Property..

Based on the Phase I ESA, this Limited Phase II ESA was conducted by Weaver Consultants to assess the aforementioned RECs. This effort was conducted for the Village of Midlothian and funded with their USEPA Hazardous Substances and Petroleum Brownfields Coalition Assessment Grant (USEPA Agreement # BF00E01061-0). As part of the USEPA funding, Weaver Consultants prepared a Sampling and Analysis Plan (SAP) dated November 19, 2015 which was submitted to the USEPA for review. The SAP was approved by the USEPA on January 7, 2016. In addition, the sample collection and analysis activities were conducted in accordance with a final Quality Assurance Project Plan (QAPP) submitted February 19, 2015 and was conditionally approved by the USEPA in email correspondence dated February 4, 2015.

The Scope of Work for the Limited Phase II ESA generally included the advancement of six soil probes to evaluate subsurface soil conditions. In addition, three temporary groundwater monitoring wells were installed to evaluate groundwater at the Property.

### 1.1 Authorization

The SAP for this Limited Phase II ESA was authorized by Mr. Fred Bartman of the USEPA via email on January 7, 2016. The Scope of Work was conducted in accordance with the approved SAP dated November 19, 2015.

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Weaver Consultants Group North Central, LLC

## 1.2 Significant Assumptions

Weaver Consultants formulated this report using a defined scope of services considered appropriate and agreed upon by all parties on the date the service was authorized, unless the scope of services or the methods used were later modified, in writing, and accepted by all parties prior to performance.

Weaver Consultants conducted this assessment in accordance with generally accepted practices in a manner consistent with that level of care exercised by other members of our profession in the same locality and under similar conditions of time and accessibility of improvements and information. No other representations, expressed or implied, and no warranty or guarantee is included or intended to be part of this assessment.

Please note that the scope of services performed in execution of this assessment may not be appropriate to satisfy the needs of other parties. We, therefore, cannot be responsible for independent conclusions, opinions, or recommendations of others based on our assessment. Weaver Consultants does not represent that this Limited Phase II ESA reflects the findings of all of the information available for the Property, nor is it representative of any future Property conditions. If additional information from the Property is generated, it should be provided to us so that we may evaluate its impact on our conclusions. As such, any activities or episodes that transpire subsequent to this Limited Phase II ESA are not considered in this assessment. It should be noted that no assessment can completely eliminate the possibility of hazardous waste and/or environmental contamination at a particular site.

## 1.3 User Reliance

This report is confidential and has been prepared for the Village of Midlothian. The Village of Midlothian indicated that the United States Environmental Protection Agency (USEPA) and Illinois Environmental Protection Agency (IEPA) may rely on the information contained in this *report* under the same terms and conditions to which The Village of Midlothian has agreed. No additional parties may use the information contained in this report without obtaining the written permission of Weaver Consultants and the Village of Midlothian. Weaver Consultants' duties and obligations extend only to the Village of Midlothian. Weaver Consultants' duties and obligations to such parties are not transferable to any person, corporation, or organization without the express written consent of the Village of Midlothian and Weaver Consultants.

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Weaver Consultants Group North Central, LLC

This report must be read and interpreted as a whole and can only be considered representative of the conditions of the Property as of the date of our assessment described herein. Weaver Consultants makes no representation whatsoever concerning the condition of the Property beyond the date of our assessment described herein. Individual sections and appendices of this report are dependent on the balance of this report, and on the terms, conditions, and stipulations contained in the proposal, the report, and any written amendments accepted by Weaver Consultants.

The following report provides a site description in **Section 2.0**, including regional and site geology/hydrogeology. **Section 3.0** discusses the sampling activities followed by **Section 4.0** which discusses the analytical results. Our conclusions follow in **Section 5.0**.



## 2.0 SITE DESCRIPTION

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### 2.1 Site Description

The Property is located at 3715, 3721, and 3725 West 147th Street in Midlothian, Illinois. The Property generally lies north of 147<sup>th</sup> Place, east of Hamlin Avenue, south of 147<sup>th</sup> Street, and west of Lawndale Avenue (see **Figure 2 – Property Layout Map**). The Property consists of approximately 0.56 acres of land with approximately 204 feet of frontage along 147<sup>th</sup> Street. The Property is described as four lots within the central portion of Section 11, Township 36 North, Range 13 East of the Third Principal Meridian in Cook County, Illinois (see **Figure 1 - Property Location Map**). A review of the 1997 Blue Island, Illinois, 7.5-minute quadrangle topographic map published by the United States Geological Survey (USGS) suggests that the Property is at an elevation of approximately 612 feet above mean sea level (msl).

The Property is improved with an approximately 2,000 square-foot, one-story commercial building with a basement. The Property building is currently occupied by Golden Shrimp, a fast food establishment. The Property building is surrounded by an asphalt paved parking lot, with West 147<sup>th</sup> Street adjacent to the north of the Property.

A review of the historical records as part of the Phase I ESA dated August 6, 2015 by Weaver Consultants suggests that the Property was residentially developed prior to 1939 and remained that way through at least 1951. Between 1951 and 1958, the Property was further improved with an additional commercial building and stayed in that configuration through 1975. The Property appeared in its current configuration as of 1976, at which time Brown's Chicken occupied the Property. Brown's Chicken occupied the Property through January of 2016, at which time Golden Shrimp took occupancy.

### 2.2 Geology/Hydrogeology

#### 2.2.1 Regional Geology/Hydrogeology

Based on Weaver Consultants' review of certain ISGS documents (Berg et al. 1988 and Berg et al. 1984), the Property is underlain by unconsolidated sediments consisting of clay and silt soil of the Carmi Member of the Equality Formation, overlying clayey and silty tills of the Wedron Formation (since reclassified as the Wedron Group (Hansel and Johnson 1996), overlying Silurian age carbonate bedrock. The Carmi Member is generally described as clay and silt soil with some sand less than twenty (20) feet thick that was deposited in lakes. The Wedron

Formation is described as uniform, relatively impermeable, clayey till that is estimated to be greater than twenty (20) feet thick. These sediments overlie Silurian Age dolomitic bedrock. The bedrock stratigraphy in the vicinity of the Property is composed of a thick sequence of Paleozoic sedimentary rocks that generally consist of carbonate rocks of Silurian age near the ground surface. Published information suggests bedrock is encountered at depths less than 50 feet of the surface in the vicinity of the Property.

The regional near-surface hydrostratigraphic units can be generalized into two aquifers: a shallow aquifer zone in more permeable soil (not always present) that may be present in the glacial drift, and deep aquifer in the underlying bedrock aquifers. In addition, the ISGS documents indicate that the potential for groundwater contamination in the vicinity of the Property is moderate and is classified as “C1” due to the presence of permeable bedrock less than fifty (50) feet beneath the ground surface.

### *2.2.2 Site Geology/Hydrogeology*

The following interpretation of the subsurface profile is based upon the soil probes advanced by Weaver Consultants on March 1, 2016. Additional detail regarding the advancement of soil probes and sample collection is provided in **Section 3.0**. Six soil probes were advanced to depths of approximately fifteen (15) feet below ground surface (bgs). Logs describing the conditions encountered are presented in **Appendix A – Soil Probe Logs**.

The following units were generally observed within the subsurface:

- Fill materials consisting of asphalt near the ground surface, followed by gravel, silt, sand, and brick fragments were encountered to depths of approximately one to two feet bgs;
- Beneath the fill material, silt, sand and clayey silts containing some sand and gravel were encountered at depths ranging from approximately one to two feet bgs, extending to approximately 7.5 feet to ten (10) feet bgs;
- A gray sand with some silt and gravel was encountered at depths ranging from approximately 7.5 feet to ten (10) feet bgs extending down to fifteen (15) feet bgs.

Moist soils were encountered in the majority of the soil probes from approximately twelve (12) feet bgs. Additional detail regarding the installation and sampling of the temporary groundwater monitoring wells can be found in **Section 3.2**.

## 3.0 FIELD ACTIVITIES

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Field activities conducted at the Property included the advancement of soil probes and the installation of temporary groundwater monitoring wells for soil and groundwater sample collection and analysis to assess subsurface conditions at the Property. The following includes a summary of these activities.

### 3.1 Areas of Exploration

#### 3.1.1 Soil Probe Activities

The soil probe locations were based upon the RECs identified during the Phase I ESA completed for the Property by Weaver Consultants. Based on this information, six soil probes were advanced at the Property by Environmental Soil Probing Corp (ESP) of St. Charles, Illinois. Prior to drilling activities, ESP contacted JULIE to locate public utilities on the Property. Lucky Locators, Inc. of Algonquin, Illinois also provided onsite private utility location services to clear the proposed probe locations prior to drilling. The soil probes were advanced within the following general areas associated with RECs identified in the Phase I ESA (see **Figure 3 – Approximate Soil Probe / Temporary Well Location Map**):

- Soil probes BC-SB-GP-01, BC-SB-GP-02, and BC-SB-GP-03 were advanced in the vicinity of the former UST to assess the potential presence of subsurface impacts associated with the historical presence of the UST; and
- Soil probes BC-SB-GP-04, BC-SB-GP-05, and BC-SB-GP-06 were advanced along the southern Property boundary to assess the potential presence of subsurface impacts associated with a historical LUST incident on a property located southeast of the Property.

### 3.2 Methodology of Field Activities

#### 3.2.1 Soil Probe and Temporary Monitoring Well Activities

ESP advanced six soil probes on March 1, 2016 using a track-mounted Geoprobe® model 7822DT rig. The soil probes were advanced to a depth of approximately fifteen (15) feet bgs for soil sample collection and analysis. Soil samples were collected from two-foot intervals for field screening and documentation of the soil profile.

Soil samples were obtained by driving five-foot long, 2-inch diameter probe rods into the undisturbed subsurface. Soil samples were continuously collected via individual five-foot long, 2-inch diameter acrylic liners. ESP decontaminated the sampling equipment before each sample was collected. The cleaning process consisted of an initial wash with a Liquinox™ and distilled water solution, followed by a distilled water rinse.

In addition, three one-inch temporary groundwater monitoring wells, BC-GW-TW-01, BC-GW-TW-02, and BC-GW-TW-03 were installed at soil probes BC-SB-GP-01, BC-SB-GP-04, and BC-SB-GP-06, respectively, to assess the subsurface groundwater conditions at the Property. Each temporary monitoring well was constructed of a one-inch diameter schedule 40 polyvinyl chloride (PVC) riser and 10-foot long, 0.010-inch slot PVC well screen. The screen was positioned from approximately five feet bgs to fifteen (15) feet bgs. The riser section of the well extended approximately one foot above the existing grade of the ground surface. The screen and PVC riser were lowered into a completed soil probe hole following the completion of the soil probing activities.

The temporary wells BC-GW-TW-01, BC-GW-TW-02, and BC-GW-TW-03 were installed on March 1, 2016. The wells were developed by purging using a Peristaltic Geopump®. On March 1, 2016 Weaver Consultants, measured the groundwater levels with a Solinist™ water level meter and collected groundwater samples using the methodology described in **Section 3.2.4**.

Following groundwater sample collection, the temporary groundwater monitoring wells were removed from their respective boreholes. The boreholes were then backfilled to ground surface with excess soil cuttings and bentonite chips and then patched with like surface material.

### *3.2.2 Field Screening Activities*

Upon retrieval, soil samples were described and logged by a Weaver Consultants representative. The Weaver Consultants field representative noted color, soil type, moisture content, and other applicable characteristics. This information was subsequently used to construct a log of the subsurface profile encountered. **Appendix A** contains the soil probe logs for each of the soil probes. Upon completion of each probe, a mix of soil cuttings and bentonite chips was placed into the borehole and then patched with like surface material. The samples were discrete samples and not composited over the two foot intervals.

Weaver Consultants screened each two foot interval of soil collected for the presence of volatile organic compounds (VOCs) using a photoionization detector (PID) equipped with a 10.6 eV lamp. The PID provides a qualitative field measurement of VOCs contained in the sample. The field screening process involved placing a portion of the soil sample in a zip-lock plastic bag. The headspace was then sampled and soil-gas VOC concentrations were measured and recorded. In addition to PID screening, visual and olfactory observations were used to assess soil conditions during the field activities. Field screening results were used to assess the presence of impacted soil and selection of the appropriate sample interval for laboratory analysis.

Generally, the sample from the interval exhibiting the greatest likelihood of possible impacts was submitted for laboratory analysis. Based on field screening, no elevated PID measurements were observed. The PID measurements are included on the soil probe logs in **Appendix A**. As a result, Weaver Consultants selected the soil samples from each soil probe that would most likely be impacted in the event that a release had occurred based on the historical use of the area. In addition, soil samples were also collected from deeper intervals appearing free of impacts underlying select soil samples in an effort to characterize the vertical extent of potential impacts if encountered.

### *3.2.3 Soil Sample Collection*

Weaver Consultants placed select soil samples from each probe into pre-cleaned, laboratory supplied sample containers preserved as necessary for subsequent laboratory analysis. The sample containers were tightly capped, labeled, placed in a cooler, and surrounded with ice in order to maintain their temperature near 4°C. Each sample was logged onto a chain-of-custody form which is used to track the samples from the point of collection to receipt by the laboratory. The chain-of-custody form is included with the laboratory analysis report in **Appendix C – Laboratory Analytical Results**.

### *3.2.4 Water Sample Collection*

On March 20, 2015, groundwater samples were collected from temporary groundwater monitoring wells BC-GW-TW-01, BC -GW-TW-02, and BC -GW-TW-03. Samples were collected into laboratory-provided sample containers using a Geotech Geopump™ peristaltic pump and disposable ¼-inch polyethylene tubing. The pump was adjusted to a low-flow pumping rate (i.e., between 200 mL and 500 mL per minute) to minimize sediment disturbance.

Field forms documenting groundwater sample collection are included in **Appendix B – Groundwater Sampling Forms**. The groundwater samples were placed on ice to maintain their temperature near 4° C. Each sample was logged onto a chain-of-custody form which is used to track the samples from the point of collection to receipt by the laboratory. The chain-of-custody form is included with the laboratory analysis report in **Appendix C**.

### 3.3 Sample Analysis

#### 3.3.1 Soil

A total of six soil samples collected from the most likely zone of impact based on field observations were submitted for laboratory analysis. In addition, six soil samples collected from deeper intervals were submitted to the laboratory and placed on hold. No additional analysis was conducted on the six deeper soil intervals based on a review of the initial laboratory results. Samples were submitted to STAT Analysis Corporation in Chicago, Illinois, which is certified under the National Environmental Laboratory Accreditation Program (NELAP). Sampling and laboratory analysis were performed in general accordance with approved techniques and methods as outlined in *USEPA SW-846, Test Methods For Evaluating Solid Waste, Third Edition*, and other published sources.

Select samples were analyzed for the following:

- Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) using Methods 5035/8260B (six soil samples);
- Polynuclear Aromatic Hydrocarbons (PNAs) using Methods 8270C/3550B (six soil samples); and
- Total Petroleum Hydrocarbons (TPH) using Methods 8015M/3580A (two soil samples).

The laboratory analytical report, including the chain of custody form, is provided in **Appendix C**. **Table 1 – Soil Analytical Summary** summarizes the analytical results of soil samples with comparisons to the IEPA Tiered Approach to Corrective Action Objectives (TACO) Tier 1 SROs for Industrial/Commercial Properties.

#### 3.3.2 Groundwater

A total of three groundwater samples were submitted to STAT Analysis Corporation for laboratory analysis of the following:

- BTEX using Methods 8260B/5030B (three groundwater samples);

- Polynuclear Aromatic Hydrocarbons (PNAs) using Methods 8270-SIM/3510C (three groundwater samples); and
- Total Petroleum Hydrocarbons (TPH) using Methods 8015M/3510C (one groundwater sample).

Field groundwater sampling forms are included in **Appendix B**. The laboratory analytical report, including the chain of custody form, is provided in **Appendix C**. **Table 2 – Groundwater Analytical Summary** summarizes the analytical results of groundwater samples with comparisons to the IEPA TACO Tier 1 GROs for Class I Groundwater and Class II Groundwater and GROs for the Indoor Inhalation Exposure Route.

## 4.0 ANALYTICAL RESULTS

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Soil samples submitted for laboratory analysis were analyzed for BTEX, PNAs, and TPH. The analytical results are summarized on **Table 1**. Soil analytical results were compared to the Tier 1 SROs in IEPA TACO 35 Illinois Administrative Code (IAC) Part 742, Appendix B, Table B and Table C, and Concentrations of Inorganic and Polynuclear Aromatic Hydrocarbon Chemicals in Background Soils (35 IAC 742, Appendix A, Tables G and H). Groundwater samples submitted for laboratory analysis were analyzed for BTEX, PNAs, and TPH. The analytical results are summarized on **Table 2**. Groundwater analytical results were compared to the IEPA TACO 35 IAC 742, Appendix B, Tables E and H.

### 4.1 Soil Sample Analysis

As shown in the attached **Table 1**, the following soil analytical results were compared to the Tier 1 SROs for Industrial/Commercial Properties and construction worker scenarios, as well as soil background concentrations within Metropolitan Statistical Areas (MSAs) for PNAs and inorganics. Laboratory analytical reports for the site investigation activities are included in **Appendix C**.

#### 4.1.1 BTEX

Six soil samples were submitted for BTEX laboratory analyses. Results from each soil sample were below laboratory reporting limits and/or IEPA TACO Tier 1 SROs for Industrial/Commercial Properties.

#### 4.1.2 PNAs

Six soil samples were submitted for PNA laboratory analysis. Results from each soil sample were below laboratory reporting limits and/or IEPA TACO Tier 1 SROs for Industrial/Commercial Properties.

#### 4.1.3 TPH

Two soil samples were submitted for TPH analysis, including Gasoline Range Organics (GRO), Diesel Range Organics (DRO), and Oil/Extended Range Organics (ERO). Results from each soil sample were below laboratory reporting limits and/or the IEPA TACO soil attenuation capacity default for soils below one meter of ground surface (2,000 mg/kg).



## 4.2 Groundwater Sample Analysis

As shown in the attached **Table 2**, the following analytical results were compared to the Tier 1 GROs for Class I and Class II Groundwater and GROs for the Indoor Inhalation Exposure Route for Industrial/Commercial Properties. Laboratory analytical reports from the site investigation activities are included in **Appendix C**.

### 4.2.1 BTEX

Three groundwater samples were submitted for BTEX laboratory analysis. BTEX results from each groundwater sample were below laboratory reporting limits.

### 4.2.2 PNAs

Three groundwater samples were submitted for PNA analysis. PNA results from each groundwater sample were below laboratory reporting limits.

## 5.0 CONCLUSIONS

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On behalf of the Village of Midlothian, Weaver Consultants has conducted a Limited Phase II ESA of the Property at 3715, 3721, and 3725 West 147th Street in Midlothian, Illinois. Weaver Consultants performed a Phase I ESA for the Property and prepared a report dated August 6, 2015. Based on the conclusions of the Phase I ESA, Weaver Consultants had identified two RECs in connection with the Property.

The purpose of the Limited Phase II ESA was to assess potential subsurface environmental Property conditions associated with the identified RECs. The Scope of Work for the Limited Phase II ESA generally included the advancement of soil probes to evaluate subsurface soil conditions and the installation of temporary groundwater monitoring wells to evaluate groundwater at the Property. Please note that no asbestos sampling or observation was conducted as part of the Limited Phase II ESA..

In summary, analytical results were below laboratory reporting limits and/or Tier 1 SROs and GROs.

Based on the results of this Limited Phase II ESA, the following findings and conclusions are presented below:

1. Future development of the Property does not appear to be inhibited based on the analytical results.
2. Should redevelopment of the Property occur, consideration should be given to special management requirements that may apply to excavation of soils for site grading, foundations and/or utility installations.
3. Owing to the historic commercial use of the Property, should redevelopment occur, we would advise that a contingency be developed for unexpected conditions including, but not limited to, areas of soil and/or groundwater impacts, discovery of underground storage tanks (USTs), dry wells, catch basins, remnant subsurface foundations and other similar structures.

## 6.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

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This Limited Phase II ESA was performed under the direct supervision of or reviewed by the undersigned environmental professionals.



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Chrystine Shelton  
Project Manager



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Peter Cambouris, LPG  
Senior Project Manager

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Weaver Consultants Group North Central, LLC

## TABLES

Table 1 Soil Analytical Results Summary  
Village of Midlothian Brownfields Assessment Grant  
Brown's Chicken  
3715, 3721, and 3725 West 147th Street  
Midlothian, Illinois

Parameter	Units	Exposure Route-Specific Values for Soils <sup>a</sup>						Soil Component of the Groundwater Ingestion Exposure Route <sup>b</sup>		Soil Background Concentrations in Chicago/MSAs <sup>c</sup>	BC-SB-GP-01	BC-SB-GP-02	BC-SB-GP-03	BC-SB-GP-04	BC-SB-GP-05	BC-SB-GP-06
		Residential		Industrial/Commercial		Construction Worker					6-8'	6-8'	7-9'	6-8'	6-8'	6-8'
		Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II		6-8'	6-8'	7-9'	6-8'	6-8'	6-8'
BTEX <sup>d</sup>																
Benzene	mg/kg	12	0.8	100	1.6	2,300	2.2	0.03	0.17	--	< 0.0046	< 0.0051	< 0.0050	< 0.0050	0.0061	< 0.0057
Polynuclear Aromatic Hydrocarbons <sup>d</sup>																
Chrysene	mg/kg	88	---	780	---	17,000	---	160	800	2.7	< 0.039	< 0.038	< 0.039	< 0.041	0.047	< 0.040
Fluoranthene	mg/kg	3,100	---	82,000	---	82,000	---	4,300	21,000	4.1	< 0.039	0.044	0.058	< 0.041	0.098	< 0.040
Phenanthrene	mg/kg	2,300	---	61,000	---	61,000	---	210	1,100	2.5	< 0.039	< 0.038	0.047	< 0.041	0.079	< 0.040
Pyrene	mg/kg	2,300	---	61,000	---	61,000	---	4,200	21,000	3	< 0.039	< 0.038	0.045	< 0.041	0.077	< 0.040

**Notes:**

<sup>a</sup> Tier 1 Soil Remediation Objectives obtained from Tiered Approach to Corrective Action Objectives (TACO) 35 IAC 742, Appendix B, Tables A-B.

<sup>b</sup> Remediation Objectives for the Soil Component of the Groundwater Ingestion Exposure Route obtained from 35 IAC 742, Appendix B, Table B.

<sup>c</sup> TACO Concentrations of Chemicals in Background Soils used for concentrations of PNAs/Inorganics in Background Soils within MSAs obtained from 35 IAC 742, Appendix A, Tables G-H.

<sup>d</sup> Only Constituents Detected above Laboratory Reporting Limits are shown.

--- Not listed in TACO Tier 1 Soil Remediation Objectives Tables.

Table 2  
Groundwater Analytical Results Summary  
Village of Midlothian Brownfields Assessment Grant  
Brown's Chicken  
3715, 3721, and 3725 West 147th Street  
Midlothian, Illinois

Parameter	Units	Exposure Route-Specific Values for Groundwater <sup>a</sup>				Phase II Environmental Site Assessment		
		Groundwater Ingestion Exposure Route <sup>b</sup>		Indoor Inhalation Exposure Route <sup>c</sup>		March 1, 2016		
		Class I	Class II	Residential	Industrial / Commercial	GR-GW-TW-01	GR-GW-TW-02	GR-GW-TW-03
BTEX								
Benzene	mg/L	0.005	0.025	0.41	2.6	< 0.0050	< 0.0050	< 0.0050
Ethyl Benzene	mg/L	0.7	1	1.3	8.1	< 0.0050	< 0.0050	< 0.0050
Toluene	mg/L	1	2.5	530	530	< 0.0050	< 0.0050	< 0.0050
Xylenes, Total	mg/L	10	10	96	110	< 0.015	< 0.015	< 0.015
Polynuclear Aromatic Hydrocarbons								
Acenaphthene	mg/L	0.42	2.1	---	---	< 0.0010	< 0.0010	< 0.0010
Acenaphthylene	mg/L	0.21	1.05	---	---	< 0.0010	< 0.0010	< 0.0010
Anthracene	mg/L	2.1	10.5	---	---	< 0.0010	< 0.0010	< 0.0010
Benzo(a)anthracene	mg/L	0.00013	0.00065	---	---	< 0.00010	< 0.00010	< 0.00010
Benzo(a)pyrene	mg/L	0.0002	0.002	---	---	< 0.00010	< 0.00010	< 0.00010
Benzo(b)fluoranthene	mg/L	0.00018	0.0009	---	---	< 0.00010	< 0.00010	< 0.00010
Benzo(g,h,i)perylene	mg/L	0.21	1.05	---	---	< 0.0010	< 0.0010	< 0.0010
Benzo(k)fluoranthene	mg/L	0.00017	0.00085	---	---	< 0.00010	< 0.00010	< 0.00010
Chrysene	mg/L	0.0015	0.0075	---	---	< 0.00010	< 0.00010	< 0.00010
Dibenzo(a,h)anthracene	mg/L	0.0003	0.0015	---	---	< 0.00010	< 0.00010	< 0.00010
Fluoranthene	mg/L	0.28	1.4	---	---	< 0.0010	< 0.0010	< 0.0010
Fluorene	mg/L	0.28	1.4	---	---	< 0.0010	< 0.0010	< 0.0010
Indeno(1,2,3-c,d)pyrene	mg/L	0.00043	0.00215	---	---	< 0.00010	< 0.00010	< 0.00010
Naphthalene	mg/L	0.14	0.22	1.8	13	< 0.0010	< 0.0010	< 0.0010
Phenanthrene	mg/L	0.21	1.05	---	---	< 0.0010	< 0.0010	< 0.0010
Pyrene	mg/L	0.21	1.05	---	---	< 0.0010	< 0.0010	< 0.0010

Notes:

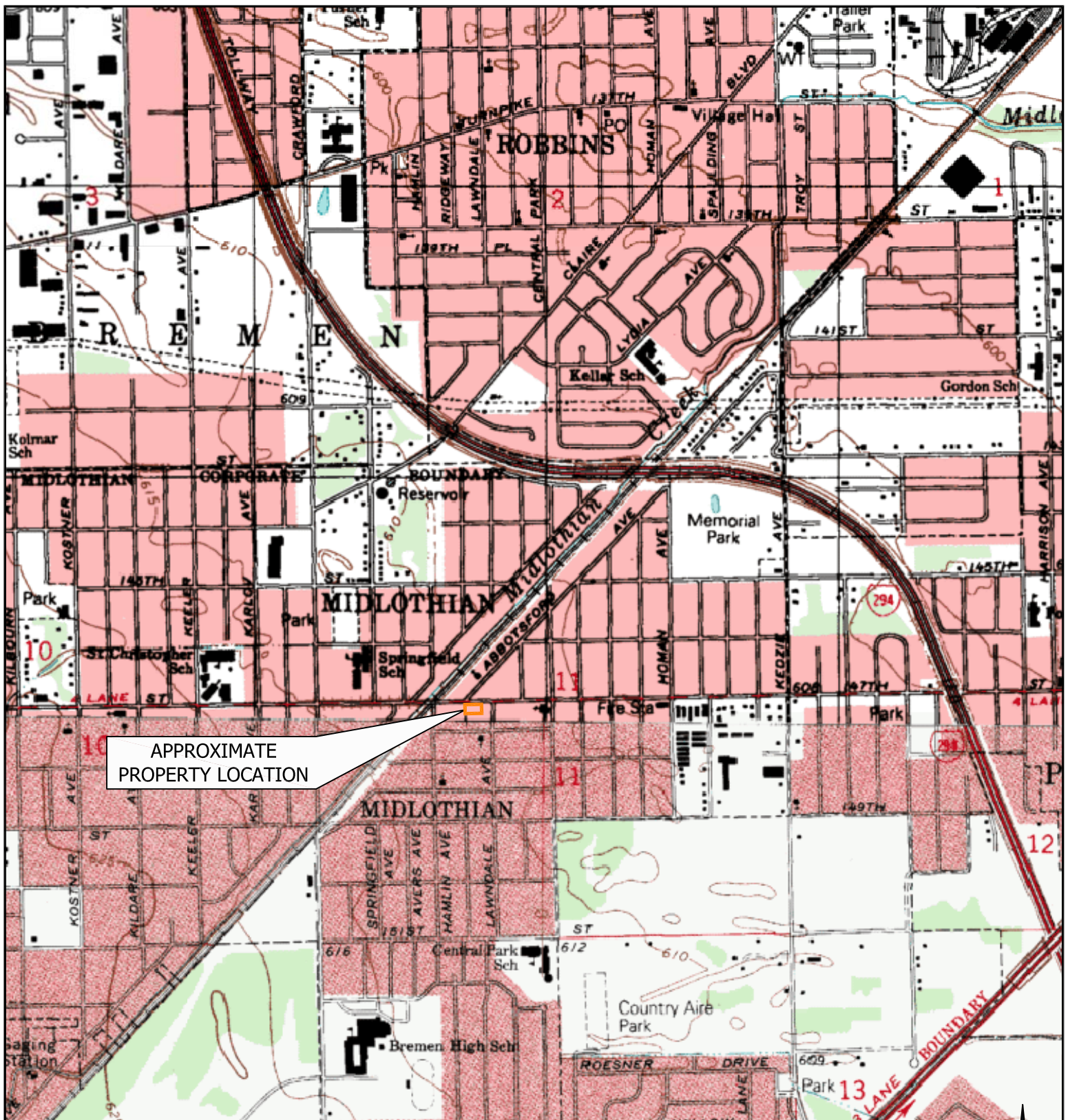
<sup>a</sup> Tier 1 Groundwater Remediation Objectives obtained from Tiered Approach to Corrective Action Objectives (TACO) 35 IAC 742, Appendix B, Tables E :

<sup>b</sup> Remediation Objectives for the Groundwater Ingestion Exposure Route obtained from 35 IAC 742, Appendix B, Table E

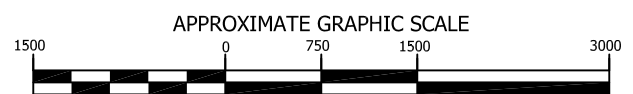
<sup>c</sup> Remediation Objectives for the Indoor Inhalation Exposure Route obtained from 35 IAC 742, Appendix B, Table I

--- Not listed in TACO Tier 1 Groundwater Remediation Objectives Tables.

## FIGURES



APPROXIMATE  
PROPERTY LOCATION



SOURCE: TOPO IMAGE ADAPTED FROM MAPCARD BLUE ISLAND, IL DATED 1999.  
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PREPARED FOR:

VILLAGE OF MIDLOTHIAN

## PROPERTY LOCATION MAP

BROWNS CHICKEN  
3715 WEST 147TH STREET  
MIDLOTHIAN, IL

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**Weaver  
Consultants  
Group**

CHICAGO, ILLINOIS  
(312) 922-1030 www.wcgrp.com

DRAWN BY: RMD

REVIEWED BY: CF

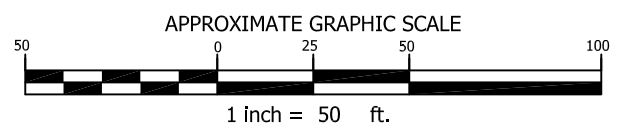
DATE: 4/21/2015

FILE: 3531-300-01-02B

CAD: SITELOC.dwg

**FIGURE 1**





SOURCE: IMAGE ADAPTED FROM GOOGLE EARTH IMAGERY DATED APRIL 2013.  
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<p>PREPARED FOR:</p> <p>VILLAGE OF MIDLOTHIAN</p>	<p><b>PROPERTY LAYOUT MAP</b></p> <p>BROWNS CHICKEN          3715 WEST 147TH STREET          MIDLOTHIAN, IL</p> <p><small>REUSE OF DOCUMENTS</small></p> <p><small>THIS DOCUMENT, AND THE DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF WEAVER CONSULTANTS GROUP, AND IS NOT TO BE USED IN WHOLE OR IN PART, WITHOUT THE WRITTEN AUTHORIZATION OF WEAVER CONSULTANTS GROUP.</small></p>	 <p><b>Weaver Consultants Group</b></p> <p>CHICAGO, ILLINOIS          (312) 922-1030 www.wcgrp.com</p>	<p>DRAWN BY: RMD          REVIEWED BY: CF          DATE: 4/21/2015          FILE: 3531-300-01-02B          CAD: SITELOC.dwg</p> <p><b>FIGURE 2</b></p>
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ABBOTTSFORD

147th STREET

APPROXIMATE  
PROPERTY BOUNDARY

BC-SB-GP-01/  
BC-GW-TW-01

BC-SB-GP-02

BC-SB-GP-03

BC-SB-GP-05

BC-SB-GP-04/  
BC-GW-TW-02

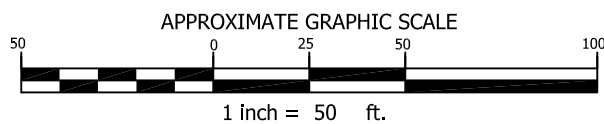
BC-SB-GP-06/  
BC-GW-TW-03

#### LEGEND



APPROXIMATE PROPERTY LINE

SOIL PROBE LOCATIONS



SOURCE: IMAGE ADAPTED FROM GOOGLE EARTH IMAGERY DATED APRIL 2013.  
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PREPARED FOR:

VILLAGE OF MIDLOTHIAN

#### APPROXIMATE SOIL PROBE LOCATION MAP

BROWNS CHICKEN  
3715 WEST 147TH STREET  
MIDLOTHIAN, IL

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DRAWN BY: RMD

REVIEWED BY: CK

DATE: 3/16/2016

FILE: 3531-300-01-02B

CAD: SITELOC.dwg

FIGURE 3

**APPENDIX A**  
**SOIL PROBE LOGS**



**Weaver  
Consultants  
Group**

Weaver Consultants Group North Central  
35 East Wacker Dr., Suite 1250  
Chicago, IL 60601  
Telephone: (312) 922-1030

**BORING NUMBER BC-SB-GP-01 / BC-GW-TW-01**

PAGE 1 OF 1

**CLIENT** Village of Mdllothian

**PROJECTNAME** Brown's Chicken Property

**PROJECTNUMBER** 3531-300-01-01 Phase 03B

**PROJECTLOCATION** 3715, 3721, and 3725 West 147th Street, Mdllothian, Illinois

**DATE STARTED** 3/1/16 **COMPLETED** 3/1/16

**GROUND ELEVATION** **HOLE SIZE** 2"

**DRILLING CONTRACTOR** Environmental Soil Probing Corp

**GROUND WATER LEVELS:**

**DRILLING METHOD** Geoprobe

**ATIME OF DRILLING** —

**LOGGED BY** T. Ricker **CHECKED BY** C. Shelton

**ATEND OF DRILLING** —

**NOTES** Probe Location Not Surveyed

**AFTER DRILLING** —

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0				FL		(FL) ASPHALT	
1.0				FL		(FL) Poorly Graded Fine Grained SAND with Silt and Gravel, Black, Loose, Moist	
2.0				CL		(CL) SILT with Clay and Little Sand, Brown, Stiff, Moist	PID = 0
2.5		15		CL			
5.0				CL		(CL) SILT with Sand, Brown, Stiff, Moist	
7.5		40	BC-SB-GP-01 / 6-8' collected at 0905	CL			PID = 0
8.5				GP		(GP) Fine Grained GRAVEL with Sand, Medium Dense, Moist	
10.0						(SP) Poorly Graded Fine Grained SAND with Fine Grained Gravel, Medium Dense, Gray, Wet	
12.5		30	BC-GW-TW-01 collected at 0930 BC-SB-GP-01 / 12-14' collected at 1020	SP			PID = 0
15.0							
Bottom of borehole at 16.0 feet.							

GENERAL BH / TP / WELL - GINT STD U.S.GDT - 3/15/16 14:33 - J:\EPG\PROGRAMS\GINT\GINT PROFESSIONAL\PROJECTS\BROWNS CHICKEN PHASE II - MIDLOTHIAN, IL.GPJ



<b>CLIENT</b> <u>Village of Mdllothian</u>		<b>PROJECTNAME</b> <u>Brown's Chicken Property</u>	
<b>PROJECTNUMBER</b> <u>3531-300-01-01 Phase 03B</u>		<b>PROJECTLOCATION</b> <u>3715, 3721, and 3725 West 147th Street, Mdllothian, Illinois</u>	
<b>DATE STARTED</b> <u>3/1/16</u> <b>COMPLETED</b> <u>3/1/16</u>		<b>GROUND ELEVATION</b> _____ <b>HOLE SIZE</b> <u>2"</u>	
<b>DRILLING CONTRACTOR</b> <u>Environmental Soil Probing Corp</u>		<b>GROUND WATER LEVELS:</b>	
<b>DRILLING METHOD</b> <u>Geoprobe</u>		<b>ATIME OF DRILLING</b> <u>—</u>	
<b>LOGGED BY</b> <u>T. Ricker</u> <b>CHECKED BY</b> <u>C. Shelton</u>		<b>ATEND OF DRILLING</b> <u>—</u>	
<b>NOTES</b> <u>Probe Location Not Surveyed</u>		<b>AFTER DRILLING</b> <u>—</u>	

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0				FL		(FL) ASPHALT	
2.5		30		ML		(ML) SILT with Clay and Some Gravel, Dark Brown, Very Stiff, Mbist	PID = 0
5.0				ML		(ML) SILT with Some Sand and Clay, Brown, Very Stiff, Mbist	PID = 0
7.5		40	BC-SB-GP-02 / 6-8' collected at 1110	SM		(SM) Fine Grained Poorly Sorted SAND with Silt, Light Brown, Stiff, Mbist	PID = 0
10.0				SP		(SP) Fine Grained Poorly Sorted SAND with Silt and Gravel, Light Brown, Soft, Mbist	PID = 0
12.5		30	BC-SB-GP-02 / 12-14' collected at 1115	SP		(SP) Fine to Medium Grained Grained Poorly Sorted SAND with Silt and Gravel, Grey, Soft, Mbist to Wet	PID = 0
15.0							
Bottom of borehole at 16.0 feet.							



**CLIENT** Village of Mdllothian **PROJECTNAME** Brown's Chicken Property  
**PROJECTNUMBER** 3531-300-01-01 Phase 03B **PROJECTLOCATION** 3715, 3721, and 3725 West 147th Street, Mdllothian, Illinois  
**DATE STARTED** 3/1/16 **COMPLETED** 3/1/16 **GROUND ELEVATION** \_\_\_\_\_ **HOLE SIZE** 2"  
**DRILLING CONTRACTOR** Environmental Soil Probing Corp **GROUND WATER LEVELS:**  
**DRILLING METHOD** Geoprobe **ATIME OF DRILLING** —  
**LOGGED BY** T. Ricker **CHECKED BY** C. Shelton **ATEND OF DRILLING** —  
**NOTES** Probe Location Not Surveyed **AFTER DRILLING** —

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0				FL		(FL) ASPHALT	
2.5		30		ML		(ML) SILT with Clay, Dark Brown, Very Stiff, Moist	PID = 0
5.0						(ML) SILT with Sand and Some Gravel, Light Brown, Medium, Moist	PID = 0
7.5		20	BC-SB-GP-03 / 7-9' collected at 1040	ML			PID = 0
10.0				SP		(SP) Medium Grained Poorly Sorted SAND with Silt, Grey, Wet	
12.5		40	BC-SB-GP-03 / 12-14' collected at 1045	GP		(GP) Poorly Graded GRAVEL Layer	
15.0				ML		(ML) SILT with Clay, Stiff, Moist	
Bottom of borehole at 16.0 feet.							





**CLIENT** Village of Mldlothian **PROJECTNAME** Brown's Chicken Property  
**PROJECTNUMBER** 3531-300-01-01 Phase 03B **PROJECTLOCATION** 3715, 3721, and 3725 West 147th Street, Mldlothian, Illinois  
**DATE STARTED** 3/1/16 **COMPLETED** 3/1/16 **GROUND ELEVATION** \_\_\_\_\_ **HOLE SIZE** 2"  
**DRILLING CONTRACTOR** Environmental Soil Probing Corp **GROUND WATER LEVELS:**  
**DRILLING METHOD** Geoprobe **ATIME OF DRILLING** —  
**LOGGED BY** T. Ricker **CHECKED BY** C. Shelton **ATEND OF DRILLING** —  
**NOTES** Probe Location Not Surveyed **AFTER DRILLING** —

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0				FL		(FL) ASPHALT and BRICK	
2.5		30		ML		(ML) SILT with Clay, Brown, Stiff, Mbist	PID = 0
5.0						(ML) SILT with Sand, Dark Brown and Orange, Mbist	
7.5		40	BC-SB-GP-04 / 6-8' collected at 1310	ML			PID = 0
10.0				GP		(GP) GRAVEL with Sand and Silt, Brown, Wet	
12.5		30	BC-GW-TW-02 collected at 1245 BC-SB-GP-04 / 12-14' collected at 1310	ML		(ML) SILT with Clay, Brown, Medium, Wet	PID = 0
15.0							
Bottom of borehole at 16.0 feet.							



**CLIENT** Village of Mdllothian **PROJECTNAME** Brown's Chicken Property  
**PROJECTNUMBER** 3531-300-01-01 Phase 03B **PROJECTLOCATION** 3715, 3721, and 3725 West 147th Street, Mdllothian, Illinois  
**DATE STARTED** 3/1/16 **COMPLETED** 3/1/16 **GROUND ELEVATION** \_\_\_\_\_ **HOLE SIZE** 2"  
**DRILLING CONTRACTOR** Environmental Soil Probing Corp **GROUND WATER LEVELS:**  
**DRILLING METHOD** Geoprobe **ATIME OF DRILLING** —  
**LOGGED BY** T. Ricker **CHECKED BY** C. Shelton **ATEND OF DRILLING** —  
**NOTES** Probe Location Not Surveyed **AFTER DRILLING** —

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0				FL		(FL) ASPHALT	
2.5		40				(ML) SILT with Clay, Dark Brown and Orange, Stiff, Mbist	PID = 0
5.0				ML			
7.5		20	BC-SB-GP-05 / 6-8' collected at 1420				PID = 0
10.0						(SP) Poorly Sorted Fine Grained SAND with Silt and Clay, Gray, Mbist to Wet	
12.5		20	BC-SB-GP-05 / 12-14' collected at 1425	SP			PID = 0
15.0							
Bottom of borehole at 16.0 feet.							





# Weaver Consultants Group

Weaver Consultants Group North Central,  
35 East Wacker Dr., Suite 1250  
Chicago, IL 60601  
Telephone: (312) 922-1030

## BORING NUMBER BC-SB-GP-06/ BC-GW-TW-03

PAGE 1 OF 1

<b>CLIENT</b> <u>Village of Mdllothian</u>	<b>PROJECTNAME</b> <u>Brown's Chicken Property</u>
<b>PROJECTNUMBER</b> <u>3531-300-01-01 Phase 03B</u>	<b>PROJECTLOCATION</b> <u>3715, 3721, and 3725 West 147th Street, Mdllothian, Illinois</u>
<b>DATE STARTED</b> <u>3/1/16</u> <b>COMPLETED</b> <u>3/1/16</u>	<b>GROUND ELEVATION</b> _____ <b>HOLE SIZE</b> <u>2"</u>
<b>DRILLING CONTRACTOR</b> <u>Environmental Soil Probing Corp</u>	<b>GROUND WATER LEVELS:</b>
<b>DRILLING METHOD</b> <u>Geoprobe</u>	<b>ATIME OF DRILLING</b> <u>—</u>
<b>LOGGED BY</b> <u>T. Ricker</u> <b>CHECKED BY</b> <u>C. Shelton</u>	<b>ATEND OF DRILLING</b> <u>—</u>
<b>NOTES</b> <u>Probe Location Not Surveyed</u>	<b>AFTER DRILLING</b> <u>—</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0				FL		(FL) ASPHALT	
2.5		30		GP-GM		(GP-GM) Poorly Sorted Fine to Medium Grained GRAVEL with Silt and Sand, Brown, Stiff, Moist	PID = 0
5.0				ML		(ML) SILT with Clay and Sand, Brown, Stiff, Moist	
7.5		30	BC-SB-GP-06 / 6-8' collected at 1330			(SP) Poorly Sorted Fine to Medium Grained SAND with Silt and Clay, Grey, Soft, Wet	PID = 0
10.0				SP			
12.5		40	BC-GW-TW-03 collected at 1245 BC-SB-GP-06 / 12-14' collected at 1335				PID = 0
15.0							
Bottom of borehole at 16.0 feet.							

**APPENDIX B**  
**GROUNDWATER SAMPLING FORMS**

# WEAVER CONSULTANTS GROUP

35 East Wacker Drive, Suite #1250

Chicago, IL 60601

## Groundwater Sampling Field Form

Date: 3/1/2016

Permit Number: \_\_\_\_\_

Site: Brown's Chicken

Location: Midlothian, IL

Project # 3531-300-01-03b

Name of Person(s) Sampling: Tracy Ricker Title: Staff Geologist

Monitoring Well: TW-01 Well Gradient: \_\_\_\_\_

Top of the Procover: \_\_\_\_\_ MSL Top of PVC: \_\_\_\_\_ MSL Ground Surface: \_\_\_\_\_ MSL

GW Depth (from top of PVC): 10.20 FT \_\_\_\_\_ MSL Total Well Depth: 15.00 FT \_\_\_\_\_ MSL

Water Volume in Casing: 0.78 Gal Well Diameter (in.): 2

Total Volume Purged: 1 Gallons Well Bailed Dry? N (Y/N)

Purge Equipment: Peristaltic Pump

Field Meters YSI

Field Equipment \_\_\_\_\_ Liquinox Bath

Sample Appearance: Cloudy, brown, and muddy at first; became clear through purging

Sampling Time: 0930

Field Measurements:	#1	#2	#3	#4	#5	#6	
pH	7.30	7.19	7.17				std. units
SC	3.932	4.043	4.076				umhos/cm
Temp	10.22	10.3	9.73				°C
DO	2.36	1.39	1.27				ppm
Eh	-27.8	-28.5	-39.6				mV
Time	0930	0933	0936				

Well Recharge: (Poor ----Fair-----Very Good) Very Good

Weather Conditions:

Skies Cloudy Temp 30 deg F Wind: \_\_\_\_\_  
Precipitation: None

Notes / Observations:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# WEAVER CONSULTANTS GROUP

35 East Wacker Drive, Suite #1250

Chicago, IL 60601

## Groundwater Sampling Field Form

Date: 3/1/2016

Permit Number: \_\_\_\_\_

Site: Brown's Chicken

Location: Midlothian, IL

Project # 3531-300-01-03b

Name of Person(s) Sampling: Tracy Ricker Title: Staff Geologist

Monitoring Well: TW-02 Well Gradient: \_\_\_\_\_

Top of the Procover: \_\_\_\_\_ MSL Top of PVC: \_\_\_\_\_ MSL Ground Surface: \_\_\_\_\_ MSL

GW Depth (from top of PVC): 10.00 FT \_\_\_\_\_ MSL Total Well Depth: 15.00 FT \_\_\_\_\_ MSL

Water Volume in Casing: 0.81 Gal Well Diameter (in.): 2

Total Volume Purged: 1 Gallons Well Bailed Dry? N (Y/N)

Purge Equipment: Peristaltic Pump

Field Meters YSI

Field Equipment \_\_\_\_\_ Liquinox Bath

Sample Appearance: Cloudy at first; became clear through purging

Sampling Time: 1215

Field Measurements:	#1	#2	#3	#4	#5	#6	
pH	7.44	7.35	7.29	7.26			std. units
SC	3.631	3.636	3.679	3.728			umhos/cm
Temp	6.85	8.14	8.61	8.80			°C
DO	2.30	2.26	2.11	1.94			ppm
Eh	-69.9	-76.2	-85.0	-92.0			mV
Time	1200	1203	1206	1209			

Well Recharge: (Poor ----Fair-----Very Good) Very Good

Weather Conditions:

Skies Cloudy Temp 30 deg F Wind: \_\_\_\_\_  
Precipitation: None

Notes / Observations:

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# WEAVER CONSULTANTS GROUP

35 East Wacker Drive, Suite #1250

Chicago, IL 60601

## Groundwater Sampling Field Form

Date: 3/1/2016

Permit Number:

Site: Brown's Chicken

Location: Midlothian, IL

Project # 3531-300-01-03b

Name of Person(s) Sampling: Tracy Ricker Title: Staff Geologist

Monitoring Well: TW-03 Well Gradient: \_\_\_\_\_

Top of the Procover: \_\_\_\_\_ MSL Top of PVC: \_\_\_\_\_ MSL Ground Surface: \_\_\_\_\_ MSL

GW Depth (from top of PVC): 10.22 FT \_\_\_\_\_ MSL Total Well Depth: 15.00 FT \_\_\_\_\_ MSL

Water Volume in Casing: 0.77 Gal Well Diameter (in.): 2

Total Volume Purged: 1 Gallons Well Bailed Dry? N (Y/N)

Purge Equipment: Peristaltic Pump

Field Meters YSI

Field Equipment \_\_\_\_\_ Liquinox Bath

Sample Appearance: Cloudy at first; became clear through purging

Sampling Time: 1335

Field Measurements:	#1	#2	#3	#4	#5	#6	
pH	8.04	7.82	7.58				std. units
SC	4.133	4.347	4.473				umhos/cm
Temp	9.25	9.44	9.61				°C
DO	0.17	0.15	0.16				ppm
Eh	-262.0	-272.0	-264.7				mV
Time	1240	1243	1246				

Well Recharge: (Poor ----Fair-----Very Good) Very Good

Weather Conditions:

Skies Cloudy Temp 30 deg F Wind: \_\_\_\_\_  
Precipitation: None

Notes / Observations:

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**APPENDIX C**  
**LABORATORY ANALYTICAL RESULTS**

**STAT** Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

March 21, 2016

Weaver Consultants Group  
35 E. Wacker Drive, Suite 1250  
Chicago, IL 60602  
Telephone: (312) 922-1030  
Fax: (312) 922-0201

Analytical Report for STAT Work Order: 16030044 Revision 1

RE: 3531-300-01-03, BC Midlothian, Midlothian, IL

Dear Tracy Ricker:

STAT Analysis received 18 samples for the referenced project on 3/1/2016 5:40:00 PM. The analytical results are presented in the following report.

This report is revised to reflect changes made after the last report revision.

All analyses were performed in accordance with the requirements of 35 IAC part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Frank Capoccia  
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

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**Client:** Weaver Consultants Group  
**Project:** 3531-300-01-03, BC Midlothian, Midlothian, IL  
**Work Order:** 16030044 Revision 1

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**Work Order Sample Summary**

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Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
16030044-001A	BC-SB-GP-01 / 6-8		3/1/2016 9:05:00 AM	3/1/2016
16030044-001B	BC-SB-GP-01 / 6-8		3/1/2016 9:05:00 AM	3/1/2016
16030044-002A	BC-SB-GP-01 / 12-14		3/1/2016 10:20:00 AM	3/1/2016
16030044-002B	BC-SB-GP-01 / 12-14		3/1/2016 10:20:00 AM	3/1/2016
16030044-003A	BC-GW-TW-01		3/1/2016 9:30:00 AM	3/1/2016
16030044-003B	BC-GW-TW-01		3/1/2016 9:30:00 AM	3/1/2016
16030044-004A	BC-GW-TW-01-FD		3/1/2016 9:30:00 AM	3/1/2016
16030044-004B	BC-GW-TW-01-FD		3/1/2016 9:30:00 AM	3/1/2016
16030044-005A	BC-SB-GP-03 / 7-9		3/1/2016 10:40:00 AM	3/1/2016
16030044-005B	BC-SB-GP-03 / 7-9		3/1/2016 10:40:00 AM	3/1/2016
16030044-006A	BC-SB-GP-03 / 12-14		3/1/2016 10:45:00 AM	3/1/2016
16030044-006B	BC-SB-GP-03 / 12-14		3/1/2016 10:45:00 AM	3/1/2016
16030044-007A	BC-SB-GP-02 / 6-8		3/1/2016 11:10:00 AM	3/1/2016
16030044-007B	BC-SB-GP-02 / 6-8		3/1/2016 11:10:00 AM	3/1/2016
16030044-008A	BC-SB-GP-02 / 12-14		3/1/2016 11:15:00 AM	3/1/2016
16030044-008B	BC-SB-GP-02 / 12-14		3/1/2016 11:15:00 AM	3/1/2016
16030044-009A	BC-GW-TW-02		3/1/2016 12:15:00 PM	3/1/2016
16030044-009B	BC-GW-TW-02		3/1/2016 12:15:00 PM	3/1/2016
16030044-010A	BC-GW-TW-03		3/1/2016 12:45:00 PM	3/1/2016
16030044-010B	BC-GW-TW-03		3/1/2016 12:45:00 PM	3/1/2016
16030044-011A	BC-SB-GP-04 / 6-8		3/1/2016 1:10:00 PM	3/1/2016
16030044-011B	BC-SB-GP-04 / 6-8		3/1/2016 1:10:00 PM	3/1/2016
16030044-012A	BC-SB-GP-04 / 12-14		3/1/2016 1:15:00 PM	3/1/2016
16030044-012B	BC-SB-GP-04 / 12-14		3/1/2016 1:15:00 PM	3/1/2016
16030044-013A	BC-SB-GP-06 / 6-8		3/1/2016 1:30:00 PM	3/1/2016
16030044-013B	BC-SB-GP-06 / 6-8		3/1/2016 1:30:00 PM	3/1/2016
16030044-014A	BC-SB-GP-06 / 12-14		3/1/2016 1:35:00 PM	3/1/2016
16030044-014B	BC-SB-GP-06 / 12-14		3/1/2016 1:35:00 PM	3/1/2016
16030044-015A	BC-SB-GP-06 / FD		3/1/2016 1:30:00 PM	3/1/2016
16030044-015B	BC-SB-GP-06 / FD		3/1/2016 1:30:00 PM	3/1/2016
16030044-016A	BC-EB-01		3/1/2016 2:15:00 PM	3/1/2016
16030044-016B	BC-EB-01		3/1/2016 2:15:00 PM	3/1/2016
16030044-017A	BC-SB-GP-05 / 6-8		3/1/2016 2:20:00 PM	3/1/2016
16030044-017B	BC-SB-GP-05 / 6-8		3/1/2016 2:20:00 PM	3/1/2016
16030044-018A	BC-SB-GP-05 / 12-14		3/1/2016 2:25:00 PM	3/1/2016
16030044-018B	BC-SB-GP-05 / 12-14		3/1/2016 2:25:00 PM	3/1/2016

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**CLIENT:** Weaver Consultants Group  
**Project:** 3531-300-01-03, BC Midlothian, Midlothian, IL  
**Work Order:** 16030044 Revision 1

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**CASE NARRATIVE**

Sample BC-SB-GP-06 / FD (16030044-015) had the following VOC surrogates outside of control limits:

Dibromofluoromethane: 142% Recovery (QC Limits: 65-131%)

4-Bromofluorobenzene: 56% Recovery (QC Limits: 58-122%)

Recovery for all other surrogates were within control limits.

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: March 21, 2016

Date Printed: March 21, 2016

**ANALYTICAL RESULTS**

Client: Weaver Consultants Group

Client Sample ID: BC-SB-GP-01 / 6-8

Work Order: 16030044 Revision 1

Collection Date: 3/1/2016 9:05:00 AM

Project: 3531-300-01-03, BC Midlothian, Midlothian, IL

Matrix: Soil

Lab ID: 16030044-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>BTEX by GC/MS</b>	<b>SW5035/8260B</b>				Prep Date: 3/1/2016	Analyst: ART
Benzene	ND	0.0046		mg/Kg-dry	1	3/2/2016
Ethylbenzene	ND	0.0046		mg/Kg-dry	1	3/2/2016
Toluene	ND	0.0046		mg/Kg-dry	1	3/2/2016
Xylenes, Total	ND	0.014		mg/Kg-dry	1	3/2/2016
<b>Polynuclear Aromatic Hydrocarbons by GC/MS</b>	<b>SW8270C (SW3550B)</b>				Prep Date: 3/2/2016	Analyst: DM
Acenaphthene	ND	0.039		mg/Kg-dry	1	3/3/2016
Acenaphthylene	ND	0.039		mg/Kg-dry	1	3/3/2016
Anthracene	ND	0.039		mg/Kg-dry	1	3/3/2016
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	3/3/2016
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	3/3/2016
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	3/3/2016
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	3/3/2016
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	3/3/2016
Chrysene	ND	0.039		mg/Kg-dry	1	3/3/2016
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	3/3/2016
Fluoranthene	ND	0.039		mg/Kg-dry	1	3/3/2016
Fluorene	ND	0.039		mg/Kg-dry	1	3/3/2016
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	3/3/2016
Naphthalene	ND	0.039		mg/Kg-dry	1	3/3/2016
Phenanthrene	ND	0.039		mg/Kg-dry	1	3/3/2016
Pyrene	ND	0.039		mg/Kg-dry	1	3/3/2016
<b>Total Petroleum Hydrocarbons</b>	<b>SW8015M (SW3580A)</b>				Prep Date: 3/2/2016	Analyst: GVC
TPH (GRO)	ND	23		mg/Kg-dry	1	3/2/2016
TPH (DRO)	ND	23		mg/Kg-dry	1	3/2/2016
TPH (ERO)	ND	23	*	mg/Kg-dry	1	3/2/2016
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 3/2/2016	Analyst: RW
Percent Moisture	15.4	0.2	*	wt%	1	3/3/2016

**Qualifiers:**

ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

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Date Reported: March 21, 2016

Date Printed: March 21, 2016

**ANALYTICAL RESULTS**

Client: Weaver Consultants Group

Client Sample ID: BC-GW-TW-01

Work Order: 16030044 Revision 1

Collection Date: 3/1/2016 9:30:00 AM

Project: 3531-300-01-03, BC Midlothian, Midlothian, IL

Matrix: Aqueous

Lab ID: 16030044-003

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>BTEX by GC/MS</b>	<b>SW8260B (SW5030B)</b>			Prep Date:		Analyst: <b>ADC</b>
Benzene	ND	0.0050		mg/L	1	3/2/2016
Ethylbenzene	ND	0.0050		mg/L	1	3/2/2016
Toluene	ND	0.0050		mg/L	1	3/2/2016
Xylenes, Total	ND	0.015		mg/L	1	3/2/2016
<b>Polynuclear Aromatic Hydrocarbons by GC/MS</b>	<b>SW8270C-SIM (SW3510C)</b>			Prep Date: <b>3/2/2016</b>		Analyst: <b>DM</b>
Acenaphthene	ND	0.0010		mg/L	1	3/3/2016
Acenaphthylene	ND	0.0010		mg/L	1	3/3/2016
Anthracene	ND	0.0010		mg/L	1	3/3/2016
Benz(a)anthracene	ND	0.00010		mg/L	1	3/3/2016
Benzo(a)pyrene	ND	0.00010		mg/L	1	3/3/2016
Benzo(b)fluoranthene	ND	0.00010		mg/L	1	3/3/2016
Benzo(g,h,i)perylene	ND	0.0010		mg/L	1	3/3/2016
Benzo(k)fluoranthene	ND	0.00010		mg/L	1	3/3/2016
Chrysene	ND	0.00010		mg/L	1	3/3/2016
Dibenz(a,h)anthracene	ND	0.00010		mg/L	1	3/3/2016
Fluoranthene	ND	0.0010		mg/L	1	3/3/2016
Fluorene	ND	0.0010		mg/L	1	3/3/2016
Indeno(1,2,3-cd)pyrene	ND	0.00010		mg/L	1	3/3/2016
Naphthalene	ND	0.0010		mg/L	1	3/3/2016
Phenanthrene	ND	0.0010		mg/L	1	3/3/2016
Pyrene	ND	0.0010		mg/L	1	3/3/2016

**Qualifiers:**

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B - Analyte detected in the associated Method Blank

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\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Date Reported: March 21, 2016

Date Printed: March 21, 2016

**ANALYTICAL RESULTS**

Client: Weaver Consultants Group

Client Sample ID: BC-GW-TW-01-FD

Work Order: 16030044 Revision 1

Collection Date: 3/1/2016 9:30:00 AM

Project: 3531-300-01-03, BC Midlothian, Midlothian, IL

Matrix: Aqueous

Lab ID: 16030044-004

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>BTEX by GC/MS</b>	<b>SW8260B (SW5030B)</b>			Prep Date:		Analyst: <b>ADC</b>
Benzene	ND	0.0050		mg/L	1	3/2/2016
Ethylbenzene	ND	0.0050		mg/L	1	3/2/2016
Toluene	ND	0.0050		mg/L	1	3/2/2016
Xylenes, Total	ND	0.015		mg/L	1	3/2/2016
<b>Polynuclear Aromatic Hydrocarbons by GC/MS</b>	<b>SW8270C-SIM (SW3510C)</b>			Prep Date: <b>3/2/2016</b>		Analyst: <b>DM</b>
Acenaphthene	ND	0.0010		mg/L	1	3/3/2016
Acenaphthylene	ND	0.0010		mg/L	1	3/3/2016
Anthracene	ND	0.0010		mg/L	1	3/3/2016
Benz(a)anthracene	ND	0.00010		mg/L	1	3/3/2016
Benzo(a)pyrene	ND	0.00010		mg/L	1	3/3/2016
Benzo(b)fluoranthene	ND	0.00010		mg/L	1	3/3/2016
Benzo(g,h,i)perylene	ND	0.0010		mg/L	1	3/3/2016
Benzo(k)fluoranthene	ND	0.00010		mg/L	1	3/3/2016
Chrysene	ND	0.00010		mg/L	1	3/3/2016
Dibenz(a,h)anthracene	ND	0.00010		mg/L	1	3/3/2016
Fluoranthene	ND	0.0010		mg/L	1	3/3/2016
Fluorene	ND	0.0010		mg/L	1	3/3/2016
Indeno(1,2,3-cd)pyrene	ND	0.00010		mg/L	1	3/3/2016
Naphthalene	ND	0.0010		mg/L	1	3/3/2016
Phenanthrene	ND	0.0010		mg/L	1	3/3/2016
Pyrene	ND	0.0010		mg/L	1	3/3/2016

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: March 21, 2016

Date Printed: March 21, 2016

**ANALYTICAL RESULTS**

Client: Weaver Consultants Group

Client Sample ID: BC-SB-GP-03 / 7-9

Work Order: 16030044 Revision 1

Collection Date: 3/1/2016 10:40:00 AM

Project: 3531-300-01-03, BC Midlothian, Midlothian, IL

Matrix: Soil

Lab ID: 16030044-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>BTEX by GC/MS</b>	<b>SW5035/8260B</b>				Prep Date: 3/1/2016	Analyst: ART
Benzene	ND	0.0050		mg/Kg-dry	1	3/2/2016
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	3/2/2016
Toluene	ND	0.0050		mg/Kg-dry	1	3/2/2016
Xylenes, Total	ND	0.015		mg/Kg-dry	1	3/2/2016
<b>Polynuclear Aromatic Hydrocarbons by GC/MS</b>	<b>SW8270C (SW3550B)</b>				Prep Date: 3/2/2016	Analyst: DM
Acenaphthene	ND	0.039		mg/Kg-dry	1	3/3/2016
Acenaphthylene	ND	0.039		mg/Kg-dry	1	3/3/2016
Anthracene	ND	0.039		mg/Kg-dry	1	3/3/2016
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	3/3/2016
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	3/3/2016
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	3/3/2016
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	3/3/2016
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	3/3/2016
Chrysene	ND	0.039		mg/Kg-dry	1	3/3/2016
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	3/3/2016
Fluoranthene	0.058	0.039		mg/Kg-dry	1	3/3/2016
Fluorene	ND	0.039		mg/Kg-dry	1	3/3/2016
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	3/3/2016
Naphthalene	ND	0.039		mg/Kg-dry	1	3/3/2016
Phenanthrene	0.047	0.039		mg/Kg-dry	1	3/3/2016
Pyrene	0.045	0.039		mg/Kg-dry	1	3/3/2016
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 3/2/2016	Analyst: RW
Percent Moisture	15.3	0.2	*	wt%	1	3/3/2016

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: March 21, 2016

**ANALYTICAL RESULTS**

Date Printed: March 21, 2016

Client: Weaver Consultants Group

Client Sample ID: BC-SB-GP-02 / 6-8

Work Order: 16030044 Revision 1

Collection Date: 3/1/2016 11:10:00 AM

Project: 3531-300-01-03, BC Midlothian, Midlothian, IL

Matrix: Soil

Lab ID: 16030044-007

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>BTEX by GC/MS</b>	<b>SW5035/8260B</b>				Prep Date: 3/1/2016	Analyst: ART
Benzene	ND	0.0051		mg/Kg-dry	1	3/2/2016
Ethylbenzene	ND	0.0051		mg/Kg-dry	1	3/2/2016
Toluene	ND	0.0051		mg/Kg-dry	1	3/2/2016
Xylenes, Total	ND	0.015		mg/Kg-dry	1	3/2/2016
<b>Polynuclear Aromatic Hydrocarbons by GC/MS</b>	<b>SW8270C (SW3550B)</b>				Prep Date: 3/2/2016	Analyst: DM
Acenaphthene	ND	0.038		mg/Kg-dry	1	3/3/2016
Acenaphthylene	ND	0.038		mg/Kg-dry	1	3/3/2016
Anthracene	ND	0.038		mg/Kg-dry	1	3/3/2016
Benz(a)anthracene	ND	0.038		mg/Kg-dry	1	3/3/2016
Benzo(a)pyrene	ND	0.038		mg/Kg-dry	1	3/3/2016
Benzo(b)fluoranthene	ND	0.038		mg/Kg-dry	1	3/3/2016
Benzo(g,h,i)perylene	ND	0.038		mg/Kg-dry	1	3/3/2016
Benzo(k)fluoranthene	ND	0.038		mg/Kg-dry	1	3/3/2016
Chrysene	ND	0.038		mg/Kg-dry	1	3/3/2016
Dibenz(a,h)anthracene	ND	0.038		mg/Kg-dry	1	3/3/2016
Fluoranthene	0.044	0.038		mg/Kg-dry	1	3/3/2016
Fluorene	ND	0.038		mg/Kg-dry	1	3/3/2016
Indeno(1,2,3-cd)pyrene	ND	0.038		mg/Kg-dry	1	3/3/2016
Naphthalene	ND	0.038		mg/Kg-dry	1	3/3/2016
Phenanthrene	ND	0.038		mg/Kg-dry	1	3/3/2016
Pyrene	ND	0.038		mg/Kg-dry	1	3/3/2016
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 3/2/2016	Analyst: RW
Percent Moisture	12.9	0.2	*	wt%	1	3/3/2016

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Date Reported: March 21, 2016

Date Printed: March 21, 2016

**ANALYTICAL RESULTS**

Client: Weaver Consultants Group

Client Sample ID: BC-GW-TW-02

Work Order: 16030044 Revision 1

Collection Date: 3/1/2016 12:15:00 PM

Project: 3531-300-01-03, BC Midlothian, Midlothian, IL

Matrix: Aqueous

Lab ID: 16030044-009

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>BTEX by GC/MS</b>	<b>SW8260B (SW5030B)</b>			Prep Date:		Analyst: <b>ADC</b>
Benzene	ND	0.0050		mg/L	1	3/2/2016
Ethylbenzene	ND	0.0050		mg/L	1	3/2/2016
Toluene	ND	0.0050		mg/L	1	3/2/2016
Xylenes, Total	ND	0.015		mg/L	1	3/2/2016
<b>Polynuclear Aromatic Hydrocarbons by GC/MS</b>	<b>SW8270C-SIM (SW3510C)</b>			Prep Date: <b>3/2/2016</b>		Analyst: <b>DM</b>
Acenaphthene	ND	0.0010		mg/L	1	3/3/2016
Acenaphthylene	ND	0.0010		mg/L	1	3/3/2016
Anthracene	ND	0.0010		mg/L	1	3/3/2016
Benz(a)anthracene	ND	0.00010		mg/L	1	3/3/2016
Benzo(a)pyrene	ND	0.00010		mg/L	1	3/3/2016
Benzo(b)fluoranthene	ND	0.00010		mg/L	1	3/3/2016
Benzo(g,h,i)perylene	ND	0.0010		mg/L	1	3/3/2016
Benzo(k)fluoranthene	ND	0.00010		mg/L	1	3/3/2016
Chrysene	ND	0.00010		mg/L	1	3/3/2016
Dibenz(a,h)anthracene	ND	0.00010		mg/L	1	3/3/2016
Fluoranthene	ND	0.0010		mg/L	1	3/3/2016
Fluorene	ND	0.0010		mg/L	1	3/3/2016
Indeno(1,2,3-cd)pyrene	ND	0.00010		mg/L	1	3/3/2016
Naphthalene	ND	0.0010		mg/L	1	3/3/2016
Phenanthrene	ND	0.0010		mg/L	1	3/3/2016
Pyrene	ND	0.0010		mg/L	1	3/3/2016

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B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: March 21, 2016

Date Printed: March 21, 2016

**ANALYTICAL RESULTS**

Client: Weaver Consultants Group

Client Sample ID: BC-GW-TW-03

Work Order: 16030044 Revision 1

Collection Date: 3/1/2016 12:45:00 PM

Project: 3531-300-01-03, BC Midlothian, Midlothian, IL

Matrix: Aqueous

Lab ID: 16030044-010

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>BTEX by GC/MS</b>	<b>SW8260B (SW5030B)</b>			Prep Date:		Analyst: <b>ADC</b>
Benzene	ND	0.0050		mg/L	1	3/2/2016
Ethylbenzene	ND	0.0050		mg/L	1	3/2/2016
Toluene	ND	0.0050		mg/L	1	3/2/2016
Xylenes, Total	ND	0.015		mg/L	1	3/2/2016
<b>Polynuclear Aromatic Hydrocarbons by GC/MS</b>	<b>SW8270C-SIM (SW3510C)</b>			Prep Date: <b>3/2/2016</b>		Analyst: <b>DM</b>
Acenaphthene	ND	0.0010		mg/L	1	3/3/2016
Acenaphthylene	ND	0.0010		mg/L	1	3/3/2016
Anthracene	ND	0.0010		mg/L	1	3/3/2016
Benz(a)anthracene	ND	0.00010		mg/L	1	3/3/2016
Benzo(a)pyrene	ND	0.00010		mg/L	1	3/3/2016
Benzo(b)fluoranthene	ND	0.00010		mg/L	1	3/3/2016
Benzo(g,h,i)perylene	ND	0.0010		mg/L	1	3/3/2016
Benzo(k)fluoranthene	ND	0.00010		mg/L	1	3/3/2016
Chrysene	ND	0.00010		mg/L	1	3/3/2016
Dibenz(a,h)anthracene	ND	0.00010		mg/L	1	3/3/2016
Fluoranthene	ND	0.0010		mg/L	1	3/3/2016
Fluorene	ND	0.0010		mg/L	1	3/3/2016
Indeno(1,2,3-cd)pyrene	ND	0.00010		mg/L	1	3/3/2016
Naphthalene	ND	0.0010		mg/L	1	3/3/2016
Phenanthrene	ND	0.0010		mg/L	1	3/3/2016
Pyrene	ND	0.0010		mg/L	1	3/3/2016

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded



**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: March 21, 2016

**ANALYTICAL RESULTS**

Date Printed: March 21, 2016

Client: Weaver Consultants Group

Client Sample ID: BC-SB-GP-04 / 6-8

Work Order: 16030044 Revision 1

Collection Date: 3/1/2016 1:10:00 PM

Project: 3531-300-01-03, BC Midlothian, Midlothian, IL

Matrix: Soil

Lab ID: 16030044-011

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>BTEX by GC/MS</b>	<b>SW5035/8260B</b>				Prep Date: 3/1/2016	Analyst: ART
Benzene	ND	0.0050		mg/Kg-dry	1	3/2/2016
Ethylbenzene	ND	0.0050		mg/Kg-dry	1	3/2/2016
Toluene	ND	0.0050		mg/Kg-dry	1	3/2/2016
Xylenes, Total	ND	0.015		mg/Kg-dry	1	3/2/2016
<b>Polynuclear Aromatic Hydrocarbons by GC/MS</b>	<b>SW8270C (SW3550B)</b>				Prep Date: 3/2/2016	Analyst: DM
Acenaphthene	ND	0.041		mg/Kg-dry	1	3/3/2016
Acenaphthylene	ND	0.041		mg/Kg-dry	1	3/3/2016
Anthracene	ND	0.041		mg/Kg-dry	1	3/3/2016
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	3/3/2016
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	3/3/2016
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	3/3/2016
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	3/3/2016
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	3/3/2016
Chrysene	ND	0.041		mg/Kg-dry	1	3/3/2016
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	3/3/2016
Fluoranthene	ND	0.041		mg/Kg-dry	1	3/3/2016
Fluorene	ND	0.041		mg/Kg-dry	1	3/3/2016
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	3/3/2016
Naphthalene	ND	0.041		mg/Kg-dry	1	3/3/2016
Phenanthrene	ND	0.041		mg/Kg-dry	1	3/3/2016
Pyrene	ND	0.041		mg/Kg-dry	1	3/3/2016
<b>Total Petroleum Hydrocarbons</b>	<b>SW8015M (SW3580A)</b>				Prep Date: 3/2/2016	Analyst: GVC
TPH (GRO)	ND	24		mg/Kg-dry	1	3/2/2016
TPH (DRO)	ND	24		mg/Kg-dry	1	3/2/2016
TPH (ERO)	ND	24	*	mg/Kg-dry	1	3/2/2016
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 3/2/2016	Analyst: RW
Percent Moisture	20.6	0.2	*	wt%	1	3/3/2016

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Date Reported: March 21, 2016

Date Printed: March 21, 2016

**ANALYTICAL RESULTS**

Client: Weaver Consultants Group

Client Sample ID: BC-SB-GP-06 / 6-8

Work Order: 16030044 Revision 1

Collection Date: 3/1/2016 1:30:00 PM

Project: 3531-300-01-03, BC Midlothian, Midlothian, IL

Matrix: Soil

Lab ID: 16030044-013

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>BTEX by GC/MS</b>	<b>SW5035/8260B</b>				Prep Date: 3/1/2016	Analyst: ART
Benzene	ND	0.0057		mg/Kg-dry	1	3/2/2016
Ethylbenzene	ND	0.0057		mg/Kg-dry	1	3/2/2016
Toluene	ND	0.0057		mg/Kg-dry	1	3/2/2016
Xylenes, Total	ND	0.017		mg/Kg-dry	1	3/2/2016
<b>Polynuclear Aromatic Hydrocarbons by GC/MS</b>	<b>SW8270C (SW3550B)</b>				Prep Date: 3/2/2016	Analyst: DM
Acenaphthene	ND	0.040		mg/Kg-dry	1	3/3/2016
Acenaphthylene	ND	0.040		mg/Kg-dry	1	3/3/2016
Anthracene	ND	0.040		mg/Kg-dry	1	3/3/2016
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	3/3/2016
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	3/3/2016
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	3/3/2016
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	3/3/2016
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	3/3/2016
Chrysene	ND	0.040		mg/Kg-dry	1	3/3/2016
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	3/3/2016
Fluoranthene	ND	0.040		mg/Kg-dry	1	3/3/2016
Fluorene	ND	0.040		mg/Kg-dry	1	3/3/2016
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	3/3/2016
Naphthalene	ND	0.040		mg/Kg-dry	1	3/3/2016
Phenanthrene	ND	0.040		mg/Kg-dry	1	3/3/2016
Pyrene	ND	0.040		mg/Kg-dry	1	3/3/2016
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 3/2/2016	Analyst: RW
Percent Moisture	19.2	0.2	*	wt%	1	3/3/2016

**Qualifiers:**

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J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

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Date Reported: March 21, 2016

Date Printed: March 21, 2016

**ANALYTICAL RESULTS**

Client: Weaver Consultants Group

Client Sample ID: BC-SB-GP-06 / FD

Work Order: 16030044 Revision 1

Collection Date: 3/1/2016 1:30:00 PM

Project: 3531-300-01-03, BC Midlothian, Midlothian, IL

Matrix: Soil

Lab ID: 16030044-015

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>BTEX by GC/MS</b>	<b>SW5035/8260B</b>				Prep Date: 3/1/2016	Analyst: ART
Benzene	ND	0.0045		mg/Kg-dry	1	3/2/2016
Ethylbenzene	ND	0.0045		mg/Kg-dry	1	3/2/2016
Toluene	ND	0.0045		mg/Kg-dry	1	3/2/2016
Xylenes, Total	ND	0.013		mg/Kg-dry	1	3/2/2016
<b>Polynuclear Aromatic Hydrocarbons by GC/MS</b>	<b>SW8270C (SW3550B)</b>				Prep Date: 3/2/2016	Analyst: DM
Acenaphthene	ND	0.039		mg/Kg-dry	1	3/3/2016
Acenaphthylene	ND	0.039		mg/Kg-dry	1	3/3/2016
Anthracene	ND	0.039		mg/Kg-dry	1	3/3/2016
Benz(a)anthracene	0.040	0.039		mg/Kg-dry	1	3/3/2016
Benzo(a)pyrene	0.043	0.039		mg/Kg-dry	1	3/3/2016
Benzo(b)fluoranthene	0.040	0.039		mg/Kg-dry	1	3/3/2016
Benzo(g,h,i)perylene	0.039	0.039		mg/Kg-dry	1	3/3/2016
Benzo(k)fluoranthene	0.059	0.039		mg/Kg-dry	1	3/3/2016
Chrysene	0.064	0.039		mg/Kg-dry	1	3/3/2016
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	3/3/2016
Fluoranthene	0.16	0.039		mg/Kg-dry	1	3/3/2016
Fluorene	ND	0.039		mg/Kg-dry	1	3/3/2016
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	3/3/2016
Naphthalene	ND	0.039		mg/Kg-dry	1	3/3/2016
Phenanthrene	0.13	0.039		mg/Kg-dry	1	3/3/2016
Pyrene	0.11	0.039		mg/Kg-dry	1	3/3/2016
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 3/2/2016	Analyst: RW
Percent Moisture	16.1	0.2	*	wt%	1	3/3/2016

**Qualifiers:**

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B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Date Reported: March 21, 2016

Date Printed: March 21, 2016

**ANALYTICAL RESULTS**

Client: Weaver Consultants Group

Client Sample ID: BC-EB-01

Work Order: 16030044 Revision 1

Collection Date: 3/1/2016 2:15:00 PM

Project: 3531-300-01-03, BC Midlothian, Midlothian, IL

Matrix: Aqueous

Lab ID: 16030044-016

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>BTEX by GC/MS</b>	<b>SW8260B (SW5030B)</b>			Prep Date:		Analyst: <b>ADC</b>
Benzene	ND	0.0050		mg/L	1	3/2/2016
Ethylbenzene	ND	0.0050		mg/L	1	3/2/2016
Toluene	ND	0.0050		mg/L	1	3/2/2016
Xylenes, Total	ND	0.015		mg/L	1	3/2/2016

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Date Reported: March 21, 2016

Date Printed: March 21, 2016

**ANALYTICAL RESULTS**

Client: Weaver Consultants Group

Client Sample ID: BC-SB-GP-05 / 6-8

Work Order: 16030044 Revision 1

Collection Date: 3/1/2016 2:20:00 PM

Project: 3531-300-01-03, BC Midlothian, Midlothian, IL

Matrix: Soil

Lab ID: 16030044-017

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>BTEX by GC/MS</b>	<b>SW5035/8260B</b>				Prep Date: 3/1/2016	Analyst: ART
Benzene	0.0061	0.0047		mg/Kg-dry	1	3/2/2016
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	3/2/2016
Toluene	ND	0.0047		mg/Kg-dry	1	3/2/2016
Xylenes, Total	ND	0.014		mg/Kg-dry	1	3/2/2016
<b>Polynuclear Aromatic Hydrocarbons by GC/MS</b>	<b>SW8270C (SW3550B)</b>				Prep Date: 3/2/2016	Analyst: DM
Acenaphthene	ND	0.039		mg/Kg-dry	1	3/3/2016
Acenaphthylene	ND	0.039		mg/Kg-dry	1	3/3/2016
Anthracene	ND	0.039		mg/Kg-dry	1	3/3/2016
Benz(a)anthracene	ND	0.039		mg/Kg-dry	1	3/3/2016
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	1	3/3/2016
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	1	3/3/2016
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	1	3/3/2016
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	1	3/3/2016
Chrysene	0.047	0.039		mg/Kg-dry	1	3/3/2016
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	1	3/3/2016
Fluoranthene	0.098	0.039		mg/Kg-dry	1	3/3/2016
Fluorene	ND	0.039		mg/Kg-dry	1	3/3/2016
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	1	3/3/2016
Naphthalene	ND	0.039		mg/Kg-dry	1	3/3/2016
Phenanthrene	0.079	0.039		mg/Kg-dry	1	3/3/2016
Pyrene	0.077	0.039		mg/Kg-dry	1	3/3/2016
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: 3/2/2016	Analyst: RW
Percent Moisture	15.7	0.2	*	wt%	1	3/3/2016

**Qualifiers:**

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B - Analyte detected in the associated Method Blank  
HT - Sample received past holding time  
\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
H - Holding time exceeded

## CHAIN OF CUSTODY RECORD

N<sup>o</sup>: 852949

Page: of

Company: <u>WRENN CONSULTANTS Corp.</u>		P.O. No.:							
Project Number: <u>3531-300-01-03</u>		Quote No.:							
Project Name: <u>BC Middlebrook</u>									
Project Location: <u>Midwayman, IL</u>									
Sampler(s): <u>TRC</u>									
Report To: <u>fricker@wrenn.com</u>		Phone: <u>312 922 1050</u>							
Fax: <u>fricker@wrenn.com</u>									
QC Level: 1 2 3 4		e-mail:							
Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers	Remarks	Lab No.:
BC-SB-6P-01/09-0	3/1	0905	S				1		001
BC-SB-6P-01/12-14		1020	S				1		002
BC-6W-7W-01		0930	W				1		003
BC-6W-TW-01-0		0930	W				1		004
BC-SB-6P-03/7-9		1845	S				1		005
BC-SB-6P-03/8-10		1845	S				1		006
BC-SB-6P-02/16-8		1110	S				1		007
BC-SB-6P-02/12-14		1115	S				1		008
BC-6W-TW-02		1245	W				1		009
BC-6W-TW-03		1245	W				1		010
BC-SB-6P-03/11-13		1310	S				1		011
BC-SB-6P-03/11-13		1315	S				1		012
BC-SB-6P-06/10-6		1330	S				1		013
BC-SB-6P-06/12-14		1335	S				1		014
BC-SB-6P-06/12-14		1330	S				1		015
BC-SB-6P-06/12-14		1415	S				1		016
BC-SB-6P-05/16-8		1420	S				1		017
BC-SB-6P-05/12-14		1425	S				1		018
BC-SB-01							1		
Relinquished by: (Signature) <u>Tracy Licker</u>								Date/Time: <u>3/1/16 1500</u>	
Received by: (Signature) <u>Spencer R</u>								Date/Time: <u>3/1/16 1500</u>	
Relinquished by: (Signature) <u>Spencer R</u>								Date/Time: <u>3/1/16 1740</u>	
Received by: (Signature) <u>Michael Quinn</u>								Date/Time: <u>3/1/16 1740</u>	
Relinquished by: (Signature)								Date/Time:	
Received by: (Signature)								Date/Time:	

Laboratory Work Order No.:

16030044

Received on Ice: Yes ☒ No ☐

Temperature: 3.6 °C

Preservation Code: A = None B = HNO<sub>3</sub> C = NaOHD = H<sub>2</sub>SO<sub>4</sub> E = HCl F = 5035/EnCore G = Other

Sample Receipt Checklist

Client Name **WEAVER (CHICAGO)**

Date and Time Received: **3/1/2016 5:40:00 PM**

Work Order Number **16030044**

Received by: **MGK**

Checklist completed by: Martin Guan 3/1/16  
Signature Date

Reviewed by: FZ 3/2/16  
Initials Date

Matrix: Carrier name STAT Analysis

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature <b>3.6 °C</b>
Water - VOA vials have zero headspace?	No VOA vials submitted <input type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Checked by: _____
Water - Samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments: Sample BC-TB-01 was listed on the COC but was not received.  
Do not analyze samples BC-GW-TW-01, BC-GW-TW-01-FD, and BC-GW-TW-02  
for TPH water per Tracy Ricker verbal 3/21/16.

Client / Person contacted: Tracy Ricker Date contacted: 3/2/16 email Contacted by: Michelle Budniak

Response: Trip blank was not provided.